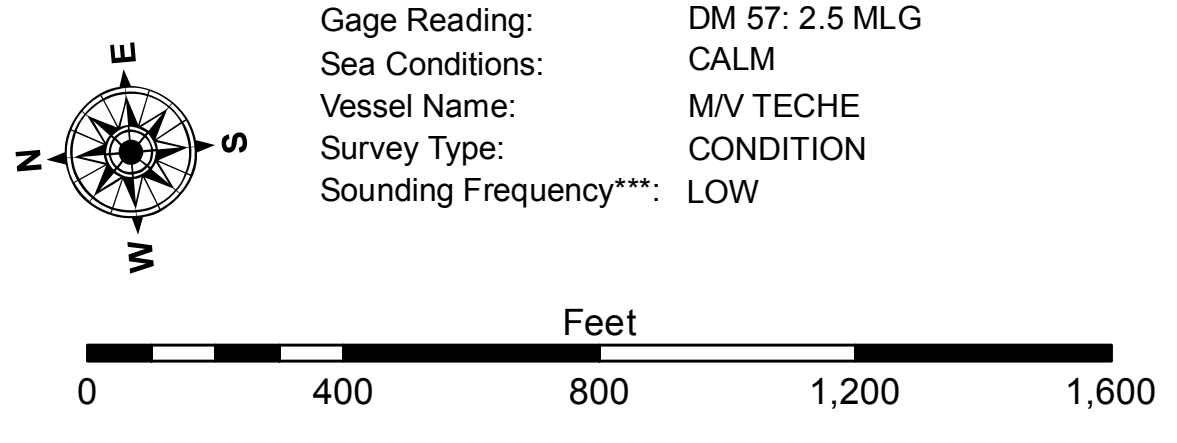


LEGEND		Color Key	
--- Federal Navigation Channel	○ Cable Area	Red	-15' and above
— Federal Navigation Center Line	□ Placement Area	Orange	-15' to -20'
— As-built Pipeline/Cable	☆ Anchoage Area	Yellow	-20' to -25'
..... Unconfirmed Pipeline/Cable	⊗ Obstruction Point	Light Yellow	-25' to -32'
— Project Depth Contour	⚓ Wrecks-Submerged	Light Orange	-32' to -38'
	⬡ Borrow Area	Light Green	-38' to -40'
	● Shoalest Sounding**	Light Blue	-40' to -42'
	★ Beacon, General	Dark Blue	-42' and below
	◆ Red Navigation Buoy		
	◆ Green Navigation Buoy		



**NOTES:**  
 Horizontal Coordinate System: North American Datum of 1983 (NAD83), projected to the State Plane Coordinate System (SPCS), Louisiana South Zone. Distance units in U.S. Survey Feet.  
 Vertical Datum: Soundings are shown in feet and indicate depths below Mean Low Gage Datum (MLG). Datum Relationships for gage 73625 as of December 2013: 0.0' NAVD83 (2009.55) = 1.2' MLLW = 2.2' MLG or 0.0' MLLW = 1.0' MLG  
 Distances on the Calcasieu River are shown at 1 mile intervals.  
 The location of navigation aids are base on and provided by the U.S. Coast Guard and USACE survey crews.  
 2010 Aerial Photography data source: NAIP  
 Reference is N.O.A.A. Navigation Chart No. 11339.  
 \*\* Shoalest Sounding per Quarter per Reach.  
 \*\*\* High frequency (200 kHz) survey data represents the first signal return at a sounding location and will include suspended solids, known as "fluff", if present. Low frequency (20 kHz) survey data normally penetrates through this "fluff" layer to depict elevations of consolidated bottom material. Low frequency accuracies may vary depending on channel conditions and fathometer settings.



**DISCLAIMER:**  
 The information depicted on this map represents the results of a survey conducted by the United States Government. The user is responsible for the accuracy, reliability, usability, or suitability of the information for any purpose other than that for which it was provided. The user is responsible for the accuracy, reliability, usability, or suitability of the information for any purpose other than that for which it was provided. The user is responsible for the accuracy, reliability, usability, or suitability of the information for any purpose other than that for which it was provided.

Submitted:	Surveyed By: JA, JH
Recommended:	Plotted By: AO
Approved:	Checked By: TF

**CALCASIEU SHIP CHANNEL**  
**LOWER SHEET 21**  
**CR\_21\_LWR\_20160120**  
**20 January 2016**

**Sheet Reference Number**  
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